

**Disaster Area Designs**  
**TNT Triple Tap N Toggle Footswitch**  
**Quick Start rev 1**  
**3/1/2016**



Thank you for purchasing a Disaster Area TNT Tap N Toggle footswitch. The TNT is an advanced foot controller in an ultra-compact package, combining multiple tap tempo outputs with latching favorite or control functions. This guide is designed to help you connect the TNT to your devices and to set it up correctly to get the most out of your gear.

**Tap and Toggle:**

Tapping the footswitch of the TNT fires any outputs set to Tap.

Output C may be set to “NC Tap” mode, which reverses the polarity of the output. NC Tap is designed to work with Boss pedals such as the DD-5, DD-7, DD-20.

Holding the footswitch will change the state of any outputs set to Toggle.

***Please note that in modes that have both Tap and Toggle enabled, the Tap will fire when the footswitch is released.***

**Connections:**

Connect the TNT to a standard 9V DC power supply with center pin negative, 20mA minimum.

Your devices connect to the three ¼” jacks on the side of the pedal. The jack nearest the DC power jack is the “A” output. Each output may serve as either a tap tempo output or a latching “favorite” or fixed expression connection, or to control a remote footswitch connection.

**Configuration Modes:**

The TNT features a simple configuration system. The TNT’s LED will light at power-on then, it will blink the number of times to show the current configuration mode. Hold the footswitch at power-on to move to the next mode. The TNT saves the configuration when powered off.

Blinks	Output A	Output B	Output C
0*	Tap	Tap	Tap
1	Toggle	Tap	Tap
2	Toggle	Toggle	Tap
3*	Toggle	Toggle	Toggle
4*	Tap	Tap	NC Tap
5	Toggle	Tap	NC Tap
6	Toggle	Toggle	NC Tap

- *Modes 0, 3, and 4 are special – since they have only tap or toggle modes, they fire immediately when the footswitch is pressed. If you require the fastest possible tracking, select one of these modes rather than a combined tap and toggle mode.*

**Pull-Up Resistors:**

The TNT has an internal DIP switch that allows the user to connect a “pull-up resistor” between the tip and ring of each output. Some devices, notably Strymon pedals use a special wiring configuration to support an expression pedal or a remote switch, and these pull-up resistors allow the TNT to control these inputs. Most pedals that support a TRS / stereo expression pedal input with the standard Roland wiring (sleeve = 0V, ring = 5V, tip = 0-5V) may be controlled by the Toggle mode of the TNT if the pull-up resistor is engaged for the correct output. Toggling the TNT is equivalent to moving an expression pedal from heel-down to toe-down.

The pull-up resistor for the A channel is controlled by the switch labeled 1, B is 2, C is 3.